ABSTRACT

A data transfer system having a method and computer program therefor comprises a buffer adapted to receive parallel data according to a first clock signal, and to transmit the parallel data according to a second clock signal, wherein the buffer comprises a plurality of storage cells adapted to store the parallel data received by the buffer; a buffer controller adapted to cause the buffer to transmit an additional predetermined amount of the parallel data when a number of the storage cells storing the parallel data received by the buffer but not yet transmitted by the buffer is less than or equal to a first threshold; wherein the buffer controller is further adapted to cause the buffer to delete a predetermined amount of the parallel data when a number of the storage cells storing the parallel data received by the buffer but not yet transmitted by the buffer is greater than or equal to a second threshold; and a serializer adapted to convert the parallel data transmitted by the buffer to serial data, and to transmit the serial data according to the second clock signal; wherein the first and second clock signals are independent.